FLANGED IMMERSION HEATERS

PROCESS WATER HEATING

- **321 Stainless Steel Elements**
- **45 watts/square inch**

Soap and detergent solutions, soluble cutting oils, demineralized or deionized water (specify passivation and stainless steel flanges), or where additional corrosion protection and durability is necessary versus copper.

- Maximum pH range of 5-9
- Less than 3% solution of alkaline or acid content
- See Watt Density and Operating Temperature Guideline (23T)
- See Corrosion Resistance of Sheath Materials (24T)

3″ 150 LB ASA STEEL FLANGE					CATALOG NUMBERS	
KILOWATTS	VOLTS	PHASE	NUMBER OF CIRCUITS	B IMMERSION LENGTH	FIG. 1	FIG. 2
6	240	1	1	18 1/16	K3A-3-0288-M1	K3A-3-0288-M7
6	240	3	1		K3A-3-0289-M1	K3A-3-0289-M7
6	480	1	1		K3A-3-0290-M1	K3A-3-0290-M7
6	480	3	1		K3A-3-0291-M1	K3A-3-0291-M7
9	240	1	1	25 3/16	K3A-3-0292-M1	K3A-3-0292-M7
9	240	3	1		K3A-3-0293-M1	K3A-3-0293-M7
9	480	1	1		K3A-3-0294-M1	K3A-3-0294-M7
9	480	3	1		K3A-3-0295-M1	K3A-3-0295-M7
12	240	1	1	33 1/16	K3A-3-0296-M1	K3A-3-0296-M7
12	240	3	1		K3A-3-0297-M1	K3A-3-0297-M7
12	480	1	1		K3A-3-0298-M1	K3A-3-0298-M7
12	480	3	1		K3A-3-0299-M1	K3A-3-0299-M7
15	240	1	1	40 9/16	K3A-3-0300-M1	K3A-3-0300-M7
15	240	3	1		K3A-3-0301-M1	K3A-3-0301-M7
15	480	1	1		K3A-3-0302-M1	K3A-3-0302-M7
15	480	3	1		K3A-3-0303-M1	K3A-3-0303-M7
18	240	1	1	48 1/16	K3A-3-0304-M1	K3A-3-0304-M7
18	240	3	1		K3A-3-0305-M1	K3A-3-0305-M7
18	480	1	1		K3A-3-0306-M1	K3A-3-0306-M7
18	480	3	1		K3A-3-0307-M1	K3A-3-0307-M7

4″ 150 LB ASA STEEL FLANGE					CATALOG NUMBERS	
KILOWATTS	VOLTS	PHASE	NUMBER OF CIRCUITS	B IMMERSION LENGTH	FIG. 3	FIG. 4
9	240	1	1	13½	K4A-6-0050-M1	K4A-6-0050-M7
9	240	3	1		K4A-6-0051-M1	K4A-6-0051-M7
9	480	1	1		K4A-6-0052-M1	K4A-6-0052-M7
9	480	3	1		K4A-6-0053-M1	K4A-6-0053-M7
12	240	1	1	18	K4A-6-0054-M1	K4A-6-0054-M7
12	240	3	1		K4A-6-0055-M1	K4A-6-0055-M7
12	480	1	1		K4A-6-0056-M1	K4A-6-0056-M7
12	480	3	1		K4A-6-0057-M1	K4A-6-0057-M7
15	240	1	2	20½	K4A-6-0058-M1	K4A-6-0058-M7
15	240	3	1		K4A-6-0059-M1	K4A-6-0059-M7
15	480	1	1		K4A-6-0060-M1	K4A-6-0060-M7
15	480	3	1		K4A-6-0061-M1	K4A-6-0061-M7
18	240	1	2	25½	K4A-6-0062-M1	K4A-6-0062-M7
18	240	3	1		K4A-6-0063-M1	K4A-6-0063-M7
18	480	1	1		K4A-6-0064-M1	K4A-6-0064-M7
18	480	3	1		K4A-6-0065-M1	K4A-6-0065-M7
24	240	3	2	33	K4A-6-0066-M1	K4A-6-0066-M7
24	480	3	1		K4A-6-0067-M1	K4A-6-0067-M7
30	240	3	2	40½	K4A-6-0068-M1	K4A-6-0068-M7
30	480	3	1		K4A-6-0069-M1	K4A-6-0069-M7
36	240	3	2	48	K4A-6-0070-M1	K4A-6-0070-M7
36	480	3	1		K4A-6-0071-M1	K4A-6-0071-M7

STAINLESS STEEL ELEMENTS—45 watts/square inch

5″ 150 LB ASA STEEL FLANGE				CATALOG NUMBERS	
KILOWATTS	VOLTS 3 PHASE	NUMBER OF CIRCUITS	B IMMERSION LENGTH	FIG. 5	FIG. 6
12	240	1	18 1/16	K5A-6-0258-M1	K5A-6-0258-M7
12	480	1		K5A-6-0259-M1	K5A-6-0259-M7
15	240	1	19 13/16	K5A-6-0260-M1	K5A-6-0260-M7
15	480	1		K5A-6-0261-M1	K5A-6-0261-M7
18	240	1	25 3/16	K5A-6-0262-M1	K5A-6-0262-M7
18	480	1		K5A-6-0263-M1	K5A-6-0263-M7
24	240	2	33 1/16	K5A-6-0264-M1	K5A-6-0264-M7
24	480	1		K5A-6-0265-M1	K5A-6-0265-M7
30	240	2	40 9/16	K5A-6-0266-M1	K5A-6-0266-M7
30	480	1		K5A-6-0267-M1	K5A-6-0267-M7
40	240	2	52 1/16	K5A-6-0268-M1	K5A-6-0268-M7
40	480	1		K5A-6-0269-M1	K5A-6-0269-M7
50	480	2	65 1/16	K5A-6-0270-M1	K5A-6-0270-M7
60	480	2	78 1/16	K5A-6-0271-M1	K5A-6-0271-M7

6″ 150 LB ASA STEEL FLANGE				CATALOG NUMBERS		
KILOWATTS	VOLTS 3 PHASE	NUMBER OF CIRCUITS	B IMMERSION LENGTH	FIG. 7	FIG. 8	FIG. 9
36	240	2	25 1/8	K6A-12-0152-M1	K6A-12-0152-M5	K6A-12-0152-M6
36	480	1		K6A-12-0153-M1	K6A-12-0153-M5	K6A-12-0153-M6
48	240	2	33	K6A-12-0154-M1	K6A-12-0154-M5	K6A-12-0154-M6
48	480	2		K6A-12-0155-M1	K6A-12-0155-M5	K6A-12-0155-M6
60	240	4	40 1/2	K6A-12-0156-M1	K6A-12-0156-M5	K6A-12-0156-M6
60	480	2		K6A-12-0157-M1	K6A-12-0157-M5	K6A-12-0157-M6
72	240	4	48	K6A-12-0158-M1	K6A-12-0158-M5	K6A-12-0158-M6
72	480	2		K6A-12-0159-M1	K6A-12-0159-M5	K6A-12-0159-M6

8″ 150 LB ASA STEEL FLANGE				CATALOG NUMBERS		
KILOWATTS	VOLTS 3 PHASE	NUMBER OF CIRCUITS	B IMMERSION LENGTH	FIG. 10	FIG. 11	FIG. 12
50	240	3	27 1/8	K8A-18-0126-M1	K8A-18-0126-M5	K8A-18-0126-M6
50	480	2		K8A-18-0127-M1	K8A-18-0127-M5	K8A-18-0127-M6
75	240	3	36 1/8	K8A-18-0128-M1	K8A-18-0128-M5	K8A-18-0128-M6
75	480	2		K8A-18-0129-M1	K8A-18-0129-M5	K8A-18-0129-M6
100	240	3	43 1/16	K8A-18-0130-M1	K8A-18-0130-M5	K8A-18-0130-M6
100	480	3		K8A-18-0131-M1	K8A-18-0131-M5	K8A-18-0131-M6
120	240	6	51 1/8	K8A-18-0132-M1	K8A-18-0132-M5	K8A-18-0132-M6
120	480	3		K8A-18-0133-M1	K8A-18-0133-M5	K8A-18-0133-M6
150	480	3	61 1/8	K8A-18-0135-M1	K8A-18-0135-M5	K8A-18-0135-M6
175	480	3	69 1/8	K8A-18-0137-M1	K8A-18-0137-M5	K8A-18-0137-M6
200	480	3	78 1/8	K8A-18-0139-M1	K8A-18-0139-M5	K8A-18-0139-M6

10″ 150 LB ASA STEEL FLANGE				CATALOG NUMBERS		
KILOWATTS	VOLTS 3 PHASE	NUMBER OF CIRCUITS	B IMMERSION LENGTH	FIG. 13	FIG. 14	FIG. 15
100	480	3	32	K10A-27-0075-M1	K10A-27-0075-M5	K10A-27-0075-M6
145	480	9	43 1/16	K10A-27-0077-M1	K10A-27-0077-M5	K10A-27-0077-M6
175	480	9	51 1/8	K10A-27-0079-M1	K10A-27-0079-M5	K10A-27-0079-M6
210	480	9	61 1/8	K10A-27-0081-M1	K10A-27-0081-M5	K10A-27-0081-M6
240	480	9	69 1/8	K10A-27-0083-M1	K10A-27-0083-M5	K10A-27-0083-M6
280	480	9	78 1/8	K10A-27-0085-M1	K10A-27-0085-M5	K10A-27-0085-M6

12″ 150 LB ASA STEEL FLANGE				CATALOG NUMBERS		
KILOWATTS	VOLTS 3 PHASE	NUMBER OF CIRCUITS	B IMMERSION LENGTH	FIG. 16	FIG. 17	FIG. 18
135	480	4	32	K12A-36-0059-M1	K12A-36-0059-M5	K12A-36-0059-M6
195	480	6	43 1/16	K12A-36-0061-M1	K12A-36-0061-M5	K12A-36-0061-M6
235	480	6	51 1/8	K12A-36-0063-M1	K12A-36-0063-M5	K12A-36-0063-M6
285	480	6	61 1/8	K12A-36-0065-M1	K12A-36-0065-M5	K12A-36-0065-M6
325	480	6	69 1/8	K12A-36-0067-M1	K12A-36-0067-M5	K12A-36-0067-M6
370	480	12	78 1/8	K12A-36-0069-M1	K12A-36-0069-M5	K12A-36-0069-M6

14″ 150 LB ASA STEEL FLANGE				CATALOG NUMBERS		
KILOWATTS	VOLTS 3 PHASE	NUMBER OF CIRCUITS	B IMMERSION LENGTH	FIG. 19	FIG. 20	FIG. 21
165	480	5	32	K14A-45-0061-M1	K14A-45-0061-M5	K14A-45-0061-M6
240	480	5	43 1/16	K14A-45-0063-M1	K14A-45-0063-M5	K14A-45-0063-M6
295	480	5	51 1/8	K14A-45-0065-M1	K14A-45-0065-M5	K14A-45-0065-M6
355	480	10	61 1/8	K14A-60-0067-M1*	K14A-60-0067-M5*	K14A-60-0067-M6*
405	480	10	69 1/8	K14A-60-0069-M1*	K14A-60-0069-M5*	K14A-60-0069-M6*
465	480	10	78 1/8	K14A-60-0071-M1*	K14A-60-0071-M5*	K14A-60-0071-M6*

*60 elements—35 watts/square inch